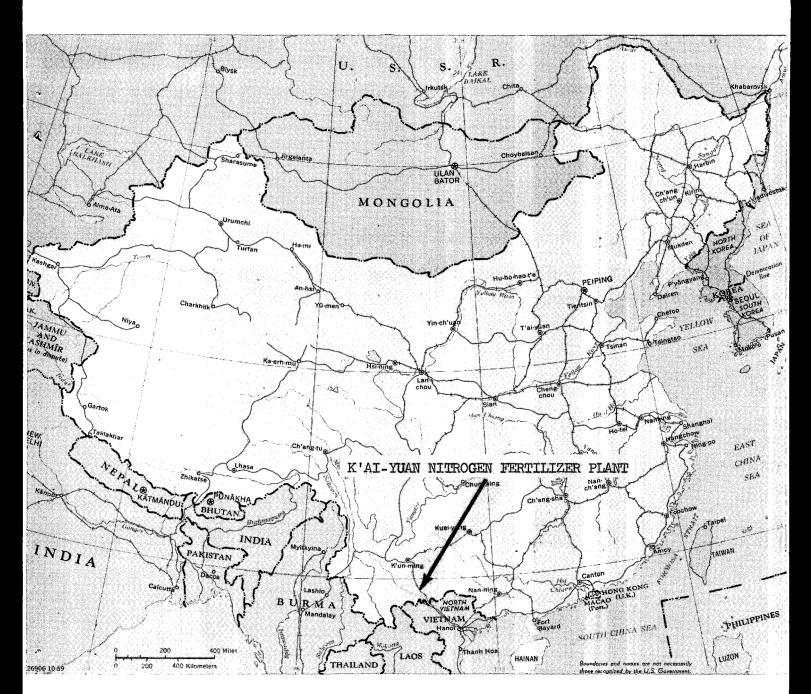


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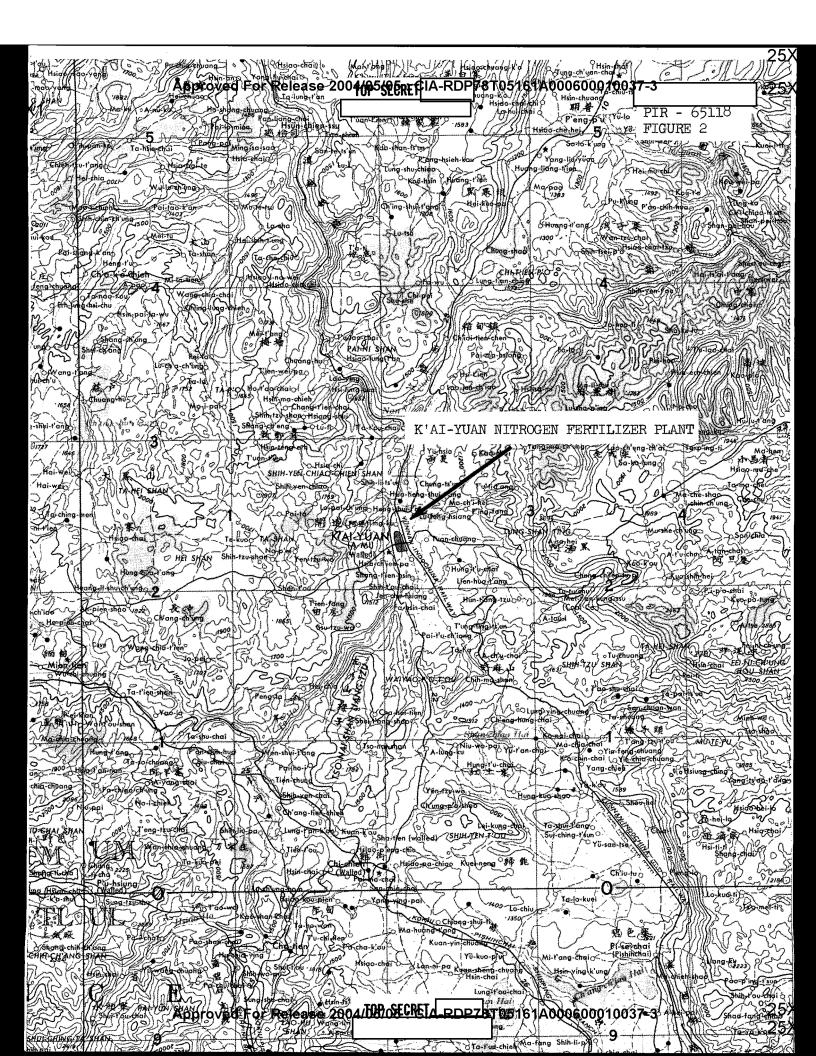
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Prepared By:

Chemical and Scientific Section Industrial Branch, IAD



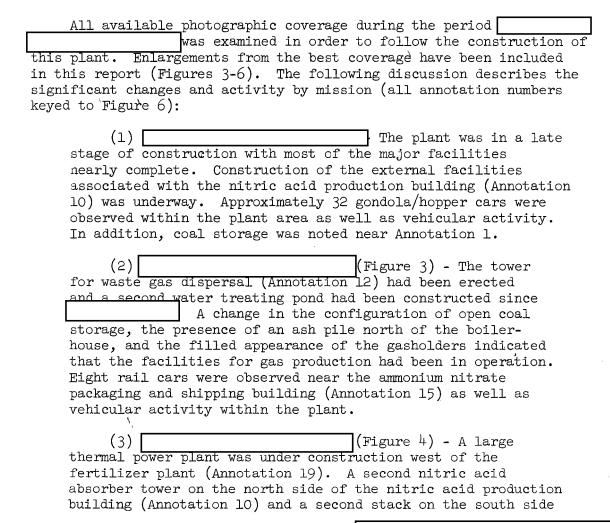
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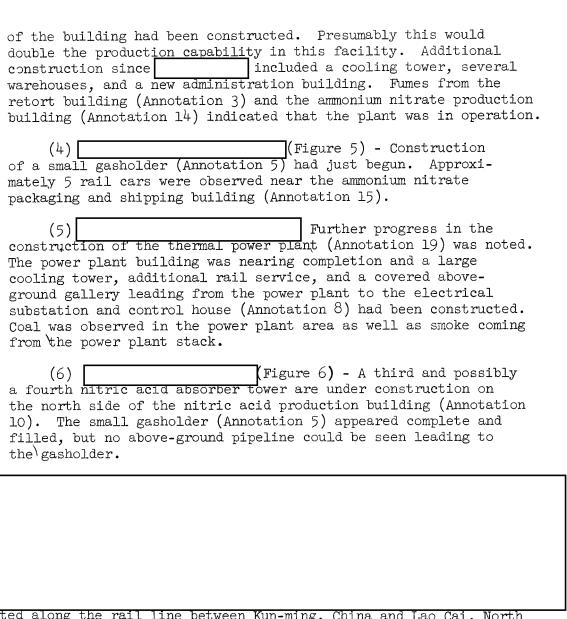
K'AI-YUAN NITROGEN FERTILIZER PLANT K'AI-YUAN, CHINA

The K'ai-yuan Nitrogen Fertilizer Plant is located at 23 44N -103 15E in the northeastern section of K'ai-yuan in Yunnan Province, China (Figures 1 and 2). It is road and rail served and covers an area of approximately 3,300,000 square feet.

Synthetic ammonia, nitric acid, and ammonium nitrate are produced at this plant. Following synthesis of ammonia, some of the ammonia produced is oxidized to nitric acid. This nitric acid is then reacted with ammonia to form ammonium nitrate, the final product. The facilities necessary to produce each of these products have been identified on Figure 6.



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located along the rail line between Kun-ming, China and Lao Cai, North Vietnam, approximately 75 nautical miles from the China-North Vietnam border. In time of war, the ammonium nitrate produced here could be shipped to an explosives plant to be mixed with other chemicals to produce a high explosive. In addition, the lack of published information in the Communist Chinese press about the construction of this plant, in contrast to publicity given to almost all other such plants in China, may be an indicator of the strategic nature of this plant.

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REFERENCES

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MAPS AND CHARTS

General Locator Map, China - 29606 (UNCLASSIFIED)

Series L500, NF 48-1, Meng-tzu (Mengtsz), China, Edition 1-AMS. (UNCLASSIFIED)

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